

What is claimed is:

1. An information processor which implements a service by cooperatively operating a plurality of job processors each
5 executing its processing in accordance with a process description defined in instruction data, the information processor comprising:

an encryption processor which encrypts the process description defined in said instruction data so as to make the
10 process description representing a process to be executed by each one of the job processors decryptable for the job processor which executes the process, and

a transmitter which sends the instruction data, in which the process description is encrypted by said encryption
15 processor, to the job processor which executes the process described in the encrypted process description.

2. An information processor according to claim 1, wherein said encryption processor encrypts the process description which is a
20 current encryption target together with encrypted data on the process description about a downstream process to be carried out later than the process described in the process description of the current encryption target.

25 3. An information processor according to claim 1, wherein said encryption processor encrypts the process description which is a current encryption target using a public key for the job processor which executes the process described in the process

description of the current encryption target.

4. An information processor according to claim 1, wherein said encryption processor encrypts a part of the process descriptions
5 each representing the process to be executed by the job processor.

5. An information processor according to claim 4, wherein said encryption processor encrypts each part of the process
10 description using different keys.

6. An information processor contained in a system which implements a service through cooperative operation of a plurality of job processors, the information processor
15 comprising:

a receiver which receives instruction data in which an encrypted process description representing a process is contained;

a decryption processor which decrypts a part of the process
20 description, which is received by the receiver, representing a process to be executed by the job processor itself;

a delete section which deletes the part of the process description decrypted by said decryption processor from the instruction data, and

25 a transmitter which sends the instruction data, from which the process description is deleted by said delete section, to the other job processors which subsequently execute their processing.

7. An information processing method carried out by a computer which implements a service by cooperatively operating a plurality of job processors each executing a process according to each one of a plurality of process descriptions defined in instruction data, the information processing method comprising the steps of:

encrypting the process description defined in said instruction data so as to make the process description representing the process to be executed by each one of the job processors decryptable for the job processor which executes the process, and

sending the encrypted instruction data to one of the job processors which executes the process described in said process description.

8. An information processing method carried out by at least one job processor contained in a system which implements a service through cooperative operation of a plurality of job processors in a predetermined order, the information processing method comprising the steps of:

receiving instruction data in which an encrypted process description representing a process is contained;

decrypting a part of the received process description representing the process to be executed by the job processor itself;

deleting the part of the decrypted process description from the instruction data, and

sending the instruction data from which the decrypt d
process description has been deleted to the other job processors
which subsequently execute their processing.

- 5 9. A job processor which carries out a job according to a
process description defined in instruction data, the job
processor comprising:

an encryption processor which encrypts a subsequent process
description defined in the instruction data so as to make the
10 subsequent process description representing a subsequent job to
be carried out by a subsequent job processor decryptable for the
subsequent job processor, and

a transmitter which sends the instruction data, in which
the subsequent process description is encrypted by said
15 encryption processor, to the subsequent job processor after the
job processor completes its processing.

10. A job processing method in which processing is carried out
according to a process description defined in instruction data,
20 the job processing method comprising the steps of:

encrypting the process description defined in said
instruction data so as to make the process description
representing a target job for another job processor decryptable
for the subsequent job processor, and

25 sending the instruction data in which the process
description is encrypted in said encrypting step after the job
processor which executed the encrypting step completed its job,
to the subsequent job processor.